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| **Scientific Explanation for “Which Car is Safer” Force & Motion Inv. 73** | | | | |
|  | 4 | 3 | 2 | 1 |
| **Claim** | | | | |
| CClai | N/A | Claim stands alone as a complete statement, responding directly to the question. | Claim responds to the question, but is incomplete. | Claim does not respond to the question. |
| **Evidence** | | | | |
|  | N/A | A sufficient number of features are identified.  All identified features are relevant to the claim.  Quantitative data included.  No irrelevant data included. | Not all identified car features are relevant to the claim.  OR: only qualitative data included (i.e. faster, heavier) | No identified car features are relevant to the claim. |
|  |  |  |  |  |
| **Reasoning** | | | | |
|  | Demonstrates a greater depth of understanding of scientific concepts and how they support the claim. | Reasoning is clear; each piece of evidence is linked to the claim using appropriate and sufficient science concepts. | Reasoning is attempted, but unclear; may have some incomplete or incorrect science concepts; not all evidence is included in reasoning. | Repeats the claim or evidence; does not link data to claim; does not include correct science concepts to support the claim. |